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### **Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application.

#### Listing of Claims:

1. - 2. (canceled)

3. (currently amended) A composition for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the composition comprises from 0.0001 % to 20 % by weight of at least one substance selected from pyrimidines, purine, adenine, guanine, hypoxanthine, purinethiol, 6-thioguanine and cytokinins, and from 0.05 % to 10 % by weight of an antioxidant.

4. (previously presented) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

5. (previously presented) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

6. (previously presented) The composition of claim 3, wherein the composition comprises

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at least one of purine, uracil, thymine, adenine, guanine and cytosine.

7. (previously presented) The composition of claim 6, wherein the composition comprises purine.

8. (withdrawn) The composition of claim 6, wherein the composition comprises uracil.

9. (withdrawn) The composition of claim 6, wherein the composition comprises thymine.

10. (previously presented) The composition of claim 6, wherein the composition comprises adenine.

11. (previously presented) The composition of claim 6, wherein the composition comprises guanine.

12. (withdrawn) The composition of claim 6, wherein the composition comprises cytosine.

13. (withdrawn) The composition of claim 5, wherein the composition comprises uracil.

14. (withdrawn) The composition of claim 13, wherein the composition comprises at

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least 0.5 % by weight of uracil.

15. (cancelled)

16. (previously presented) A spray formulation which comprises the composition of claim 3.

17. (previously presented) A shower bath which comprises the composition of claim 3.

18. (previously presented) A shampoo which comprises the composition of claim 3.

19. (previously presented) A conditioning shampoo which comprises the composition of claim 3.

20. (previously presented) A hair treatment which comprises the composition of claim 3.

21. (previously presented) A hair rinse which comprises the composition of claim 3.

22. – 23 (cancelled)

24. (previously presented) A method for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the method comprises applying onto at least parts of the hair a composition which comprises at least one substance selected from

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pyrimidines, purine, adenine, guanine, hypoxanthine, purinethiol, 6-thioguanine and cytokinins.

25. (previously presented) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.0001 % to 20 % by weight.

26. (previously presented) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

27. (previously presented) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

28. (previously presented) The method of claim 24, wherein the composition comprises at least one of purine, uracil, thymine, adenine, guanine and cytosine.

29. (cancelled)

30. (withdrawn) The method of claim 25, wherein the composition comprises uracil.

31. – 34. (cancelled)

35. (withdrawn) The method of claim 24, wherein the composition comprises at least

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0.5 % by weight of uracil.

36. – 40. (cancelled)

41. (previously presented) The composition of claim 3, wherein the cytokinins comprise at least one of zeatin and kinetin.

42. (new) A composition for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the composition comprises from 0.0001 % to 20 % by weight of at least one substance selected from pyrimidines.

43. (new) The composition of claim 42, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

44. (new) The composition of claim 42, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

45. (new) The composition of claim 42, wherein the composition comprises uracil.

46. (new) The composition of claim 42, wherein the composition comprises thymine.

47. (new) The composition of claim 42, wherein the composition comprises cytosine.

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48. (new) The composition of claim 45, wherein the composition comprises at least 0.5 % by weight of uracil.

49. (new) The composition of claim 43, wherein the composition further comprises from 0.05 % to 10 % by weight of an antioxidant.

50. (new) A spray formulation which comprises the composition of claim 42.

51. (new) A shampoo which comprises the composition of claim 42.

52. (new) A conditioning shampoo which comprises the composition of claim 42.

53. (new) A hair treatment which comprises the composition of claim 42.

54. (new) A hair rinse which comprises the composition of claim 42.